

DIGITAL MAPPING TECHNIQUES 2023

The following was presented at DMT'23

May 21 - 24, 2023

The contents of this document are provisional

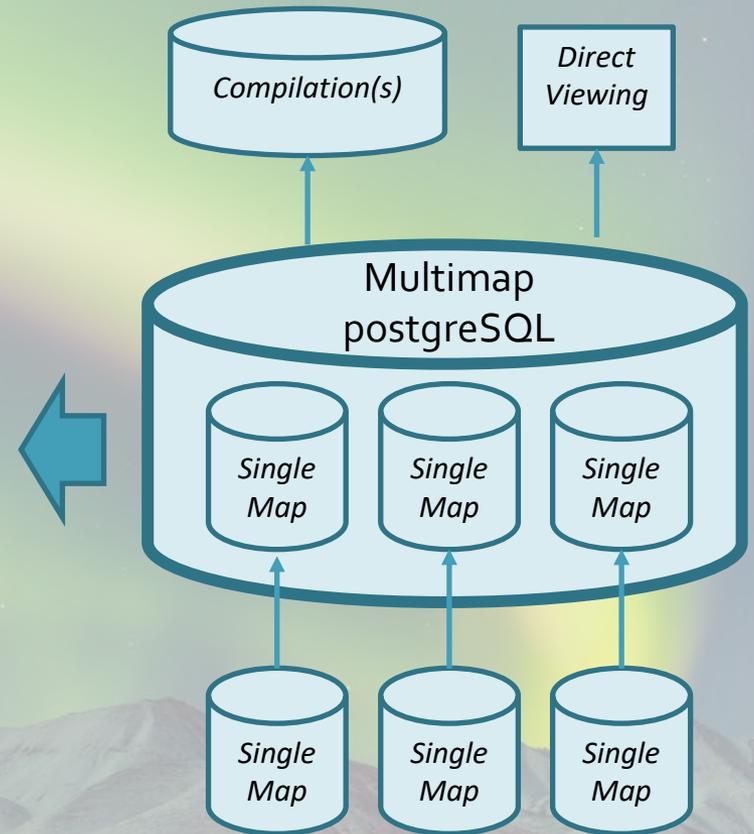
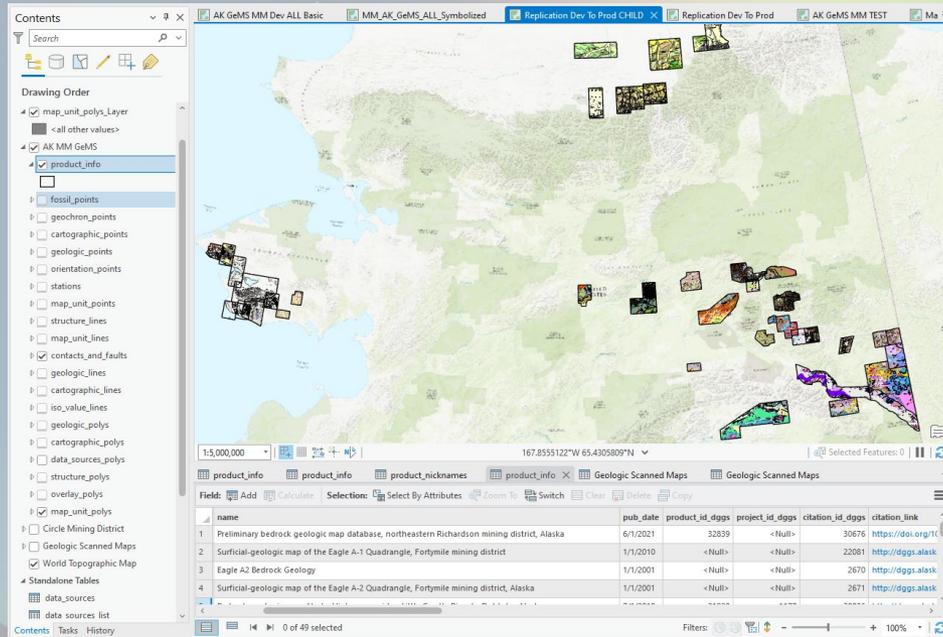
See Presentations and Proceedings
from the DMT Meetings (1997-2023)

<http://ngmdb.usgs.gov/info/dmt/>



The Alaska GeMS Multimap database is:

A repository of individual AK GeMS single map databases stored in a single optimized PostgreSQL geodatabase.



6/5/2023





How is it different than Single Map

- Hosted on PostGreSQL
- String based domains are converted to integer-based domains
- True GUID Fields for IDs
- Single Projection (Alaska Albers Equal Area, NAD83)
- Relationship Classes built
- Supporting tables Created and Maintained
 - Tables to support many-to-many data sources
 - Product Statistics Table
 - Cartographic labels

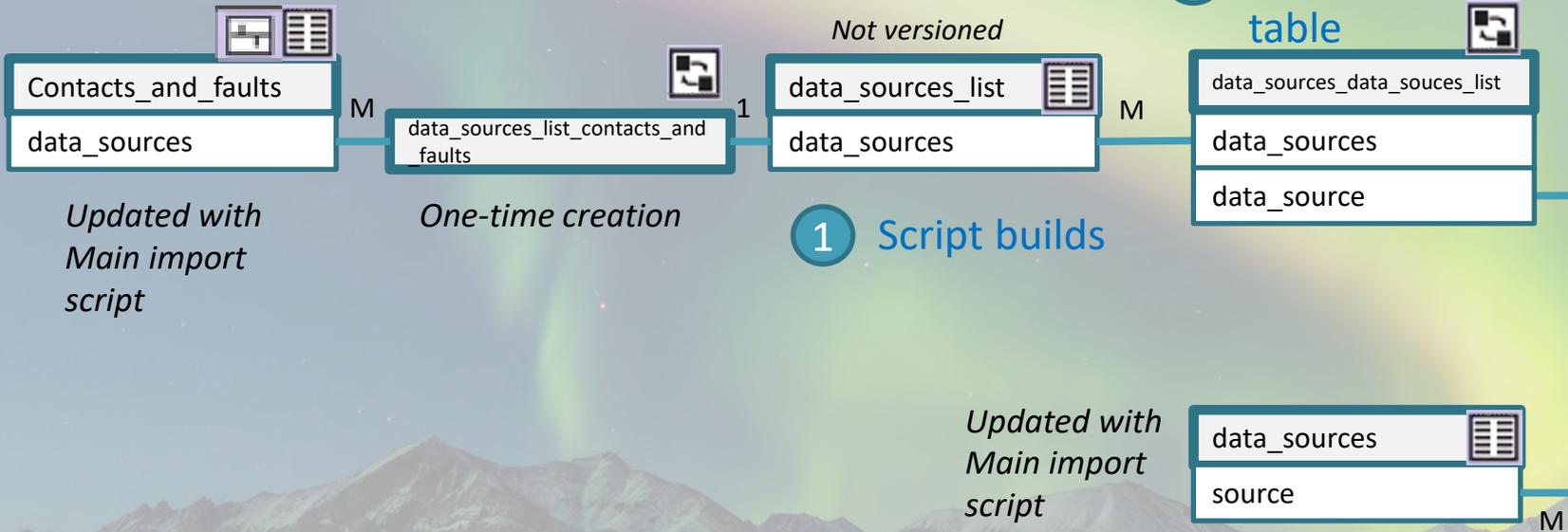
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Supporting Data Sources Many-to-Many relationships

We used the USGS logic for data sources many to many

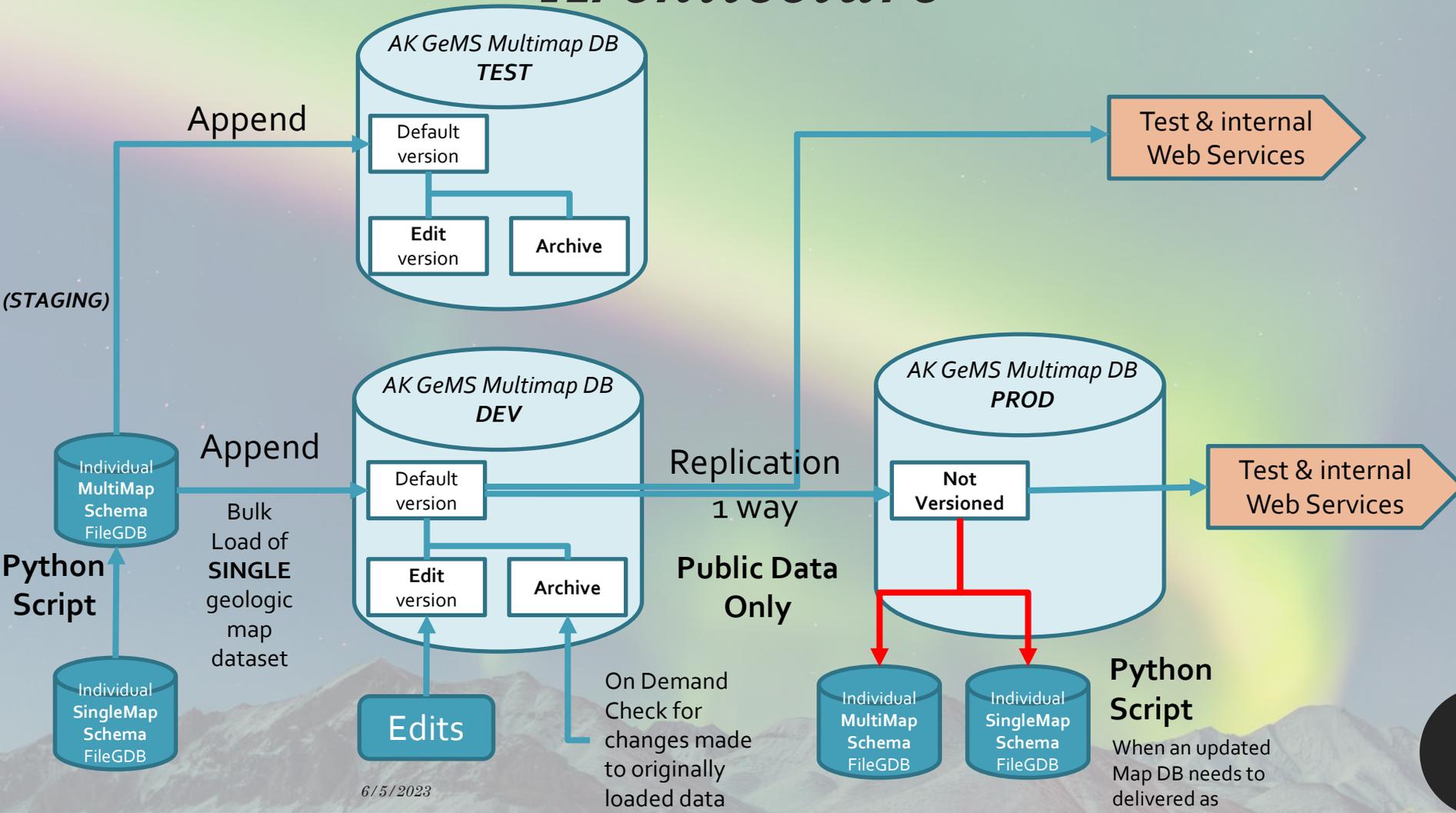


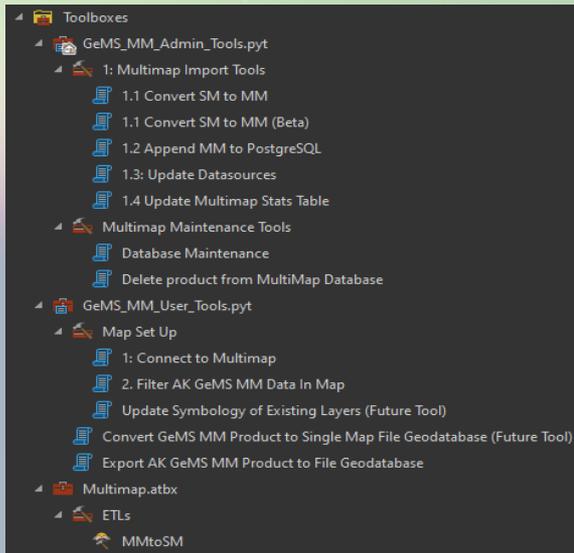
6/5/2023





Alaska DGGS Multimap GeMS DB Architecture





Multimap Toolboxes and Notebook

Table of Contents

- ▼ [1 Explore Multimap database](#)
 - [1.1 Describe LYR/MAPX](#)
 - [1.2 Describe Database](#)
 - [1.3 Explore Env](#)
- ▼ [2 Misc](#)
 - [2.1 Query examples](#)
 - [2.2 Symbology matching](#)
 - [2.3 Schema to XLS](#)
- ▼ [3 Troubleshooting](#)
 - [3.1 Identify if records exist in FC](#)
 - [3.2 Why does FC_orientation_points_have 80 for source name? \(Attribute Rules\)](#)
 - [3.3 Find Missing Product](#)
 - [3.4 Compare input schema against MM schema](#)
 - [3.5 Find invalid entries in fields required for the final relationship class](#)
 - [3.6 Compare name to alias](#)





Questions?

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*Digital Mapping
Techniques 2023*

